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METHODS OF FORMING ALPHA AND BETA TANTALUM FILMS
WITH CONTROLLED AND NEW MICROSTRUCTURES

Figure. 1 Schematic cross-section view of formation Ta films **1110** on silicon substrate **1100** without buffer (Figure 1(a)) and with buffer layer **1120** (Figure 1(b)).(Narayan)

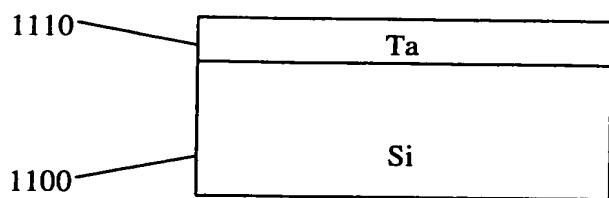


Fig. 1 (a)

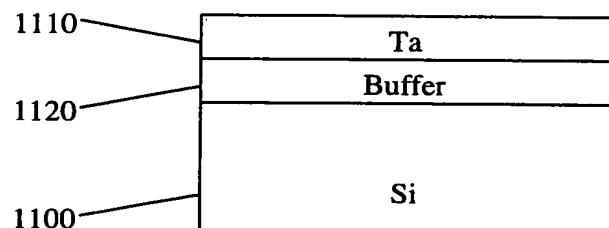


Fig. 1 (b)

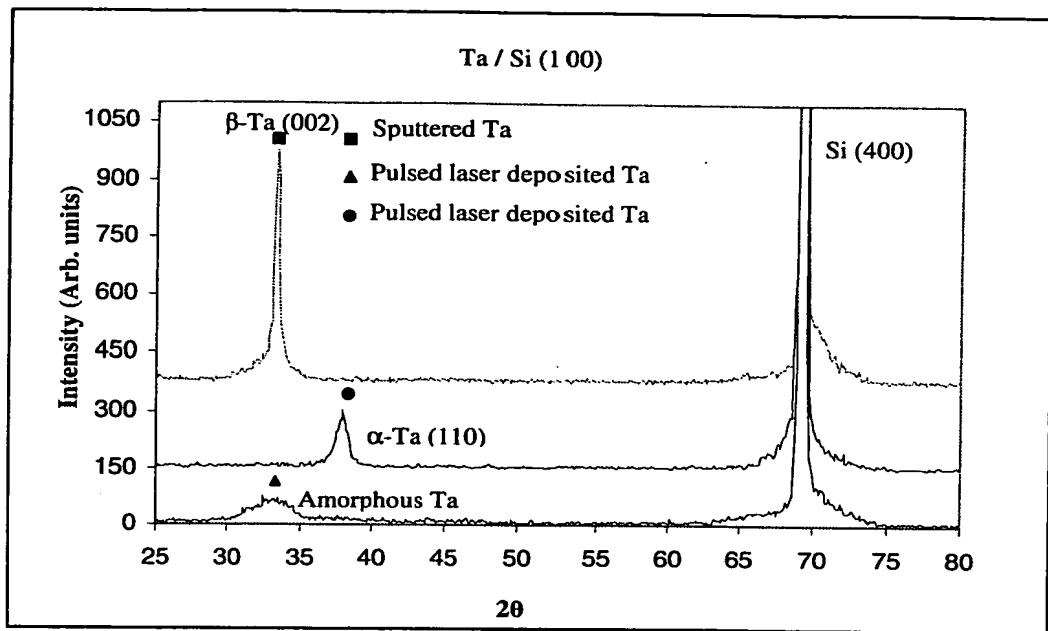
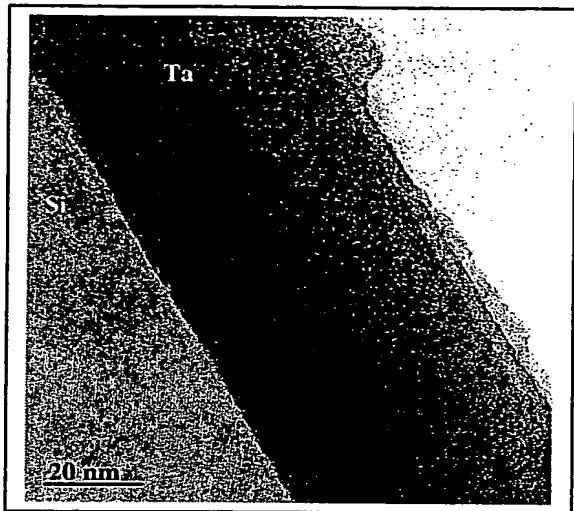


Fig. 2. Narayan

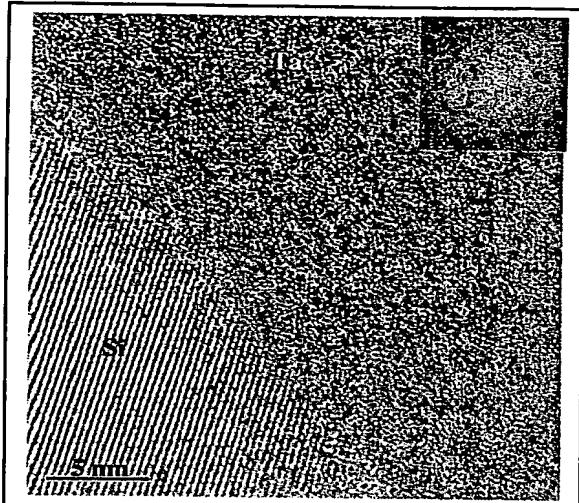
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(a)



(b)

Fig. 3.Narayan.

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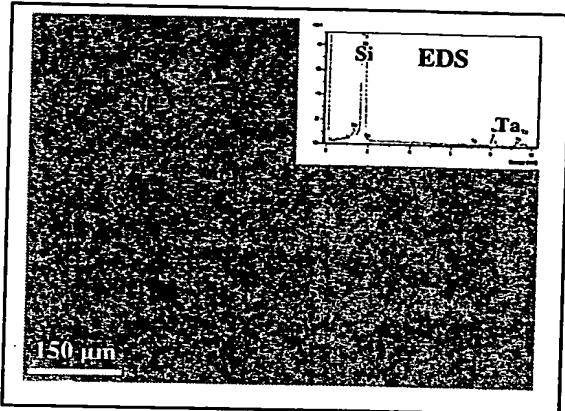


Fig. 4. Narayan

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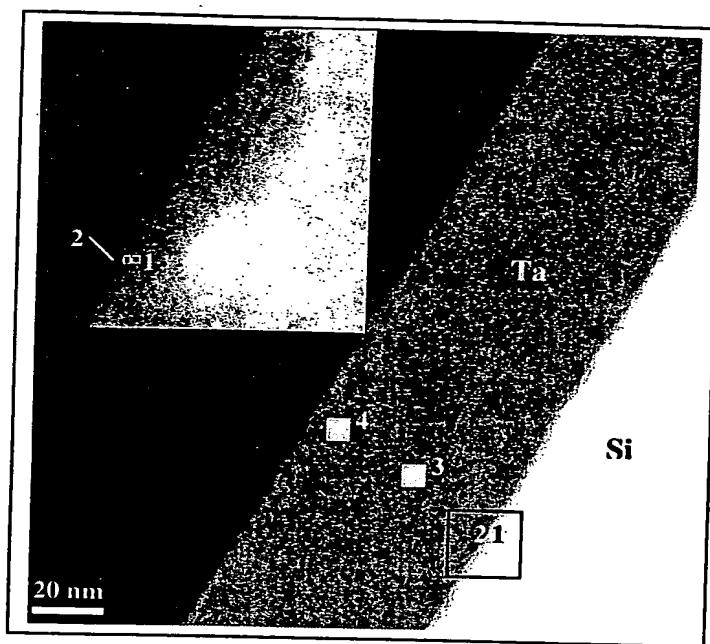


Fig. 5. (a) Narayan

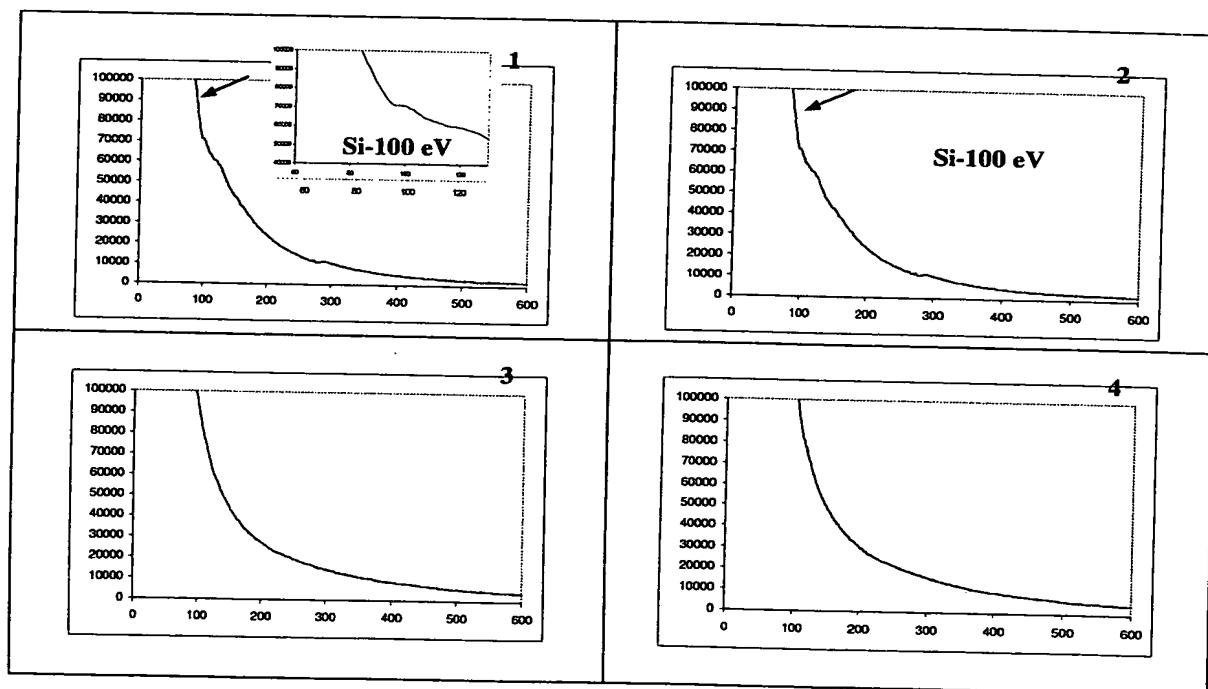


Fig. 5 (b) Narayan

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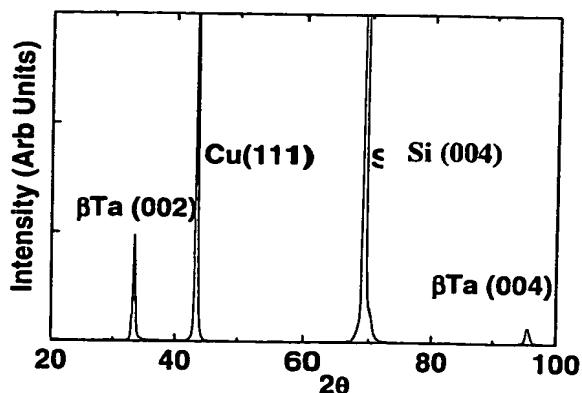


Fig. 6. (a) Narayan

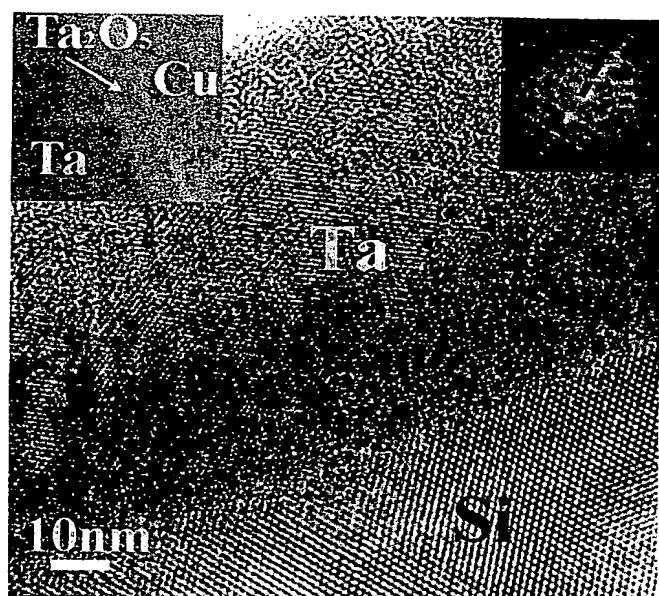


Fig. 6. (b) Narayan

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Figure 7(a) Narayan

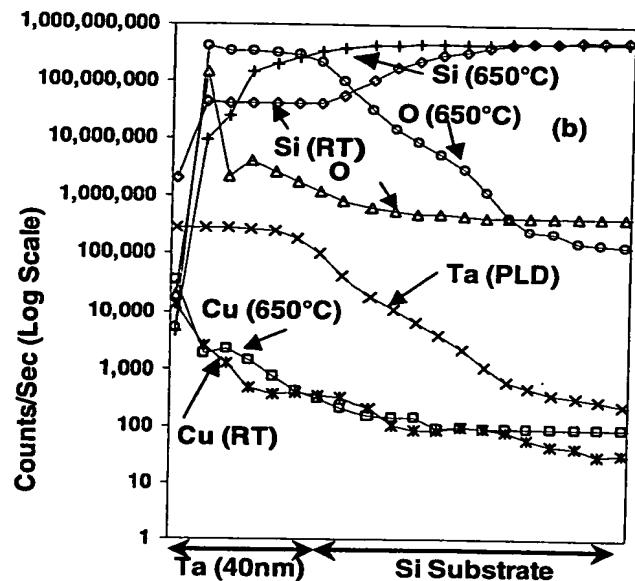
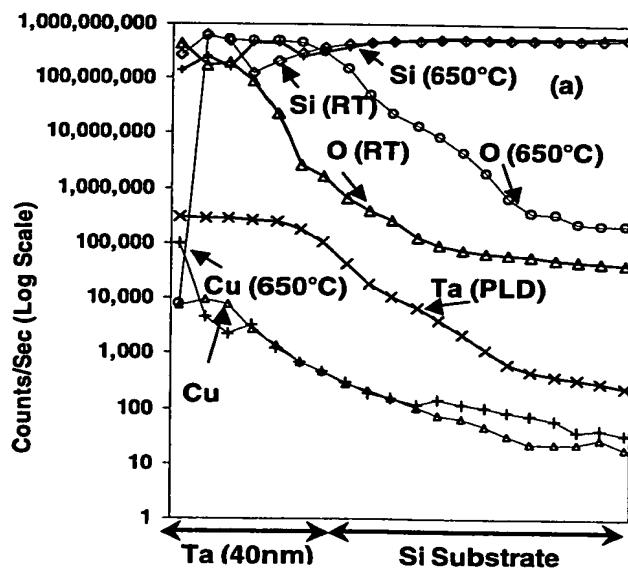


Figure 7(b) Narayan



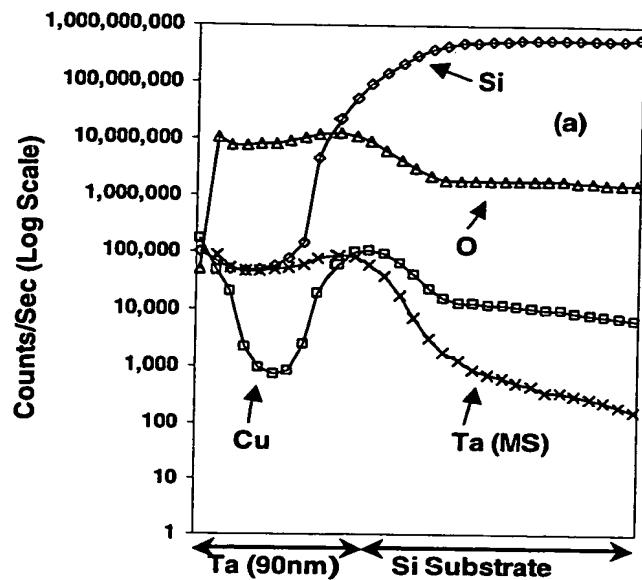


Fig. 8. (a) Narayan

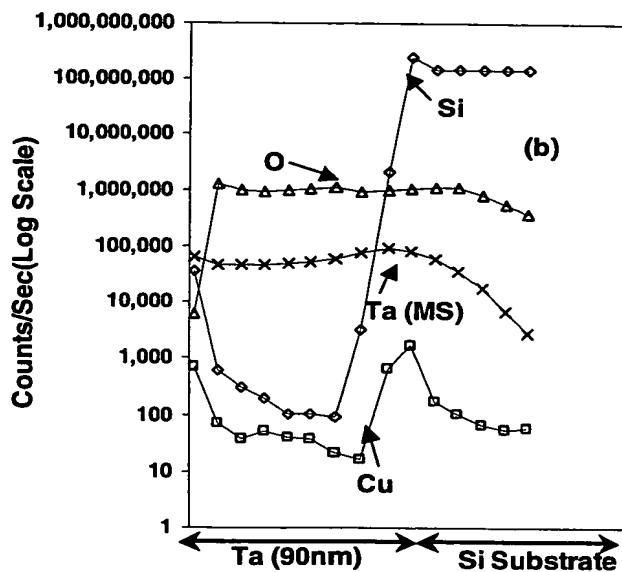


Fig. 8. (b) Narayan

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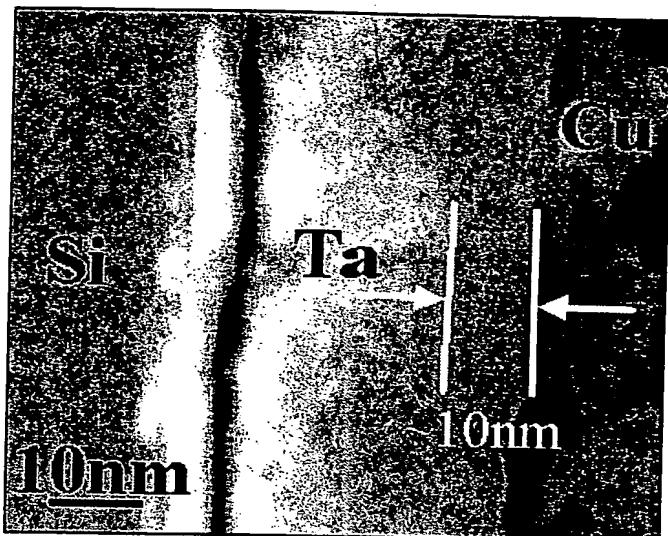


Fig. 9(a). Narayan

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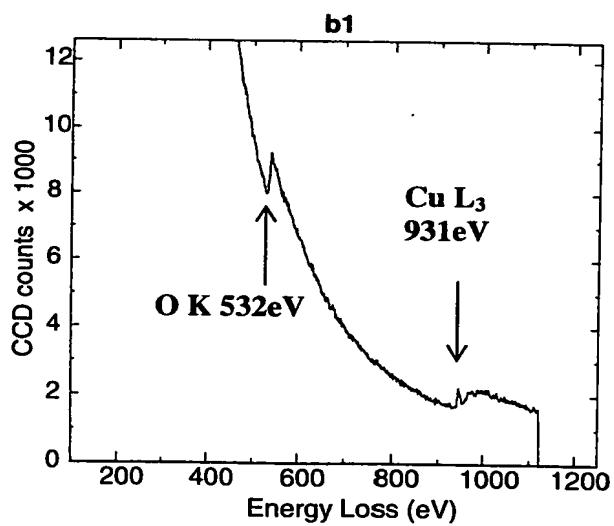


Fig. 9. (b) Narayan

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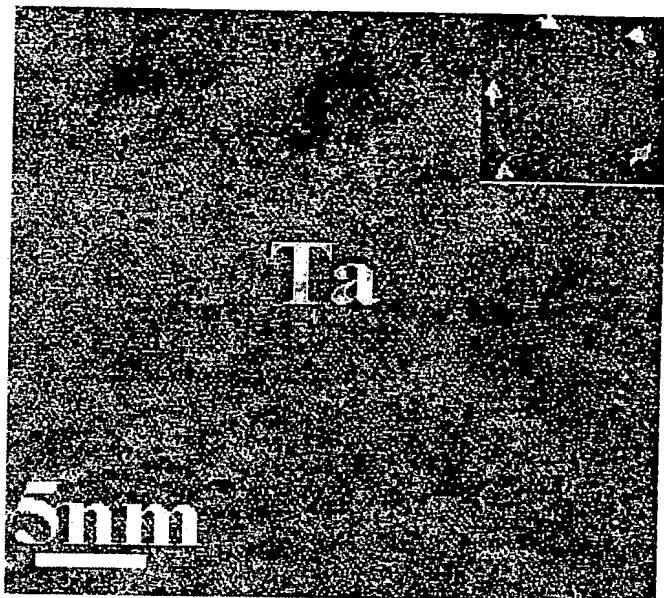


Fig. 10. Narayan

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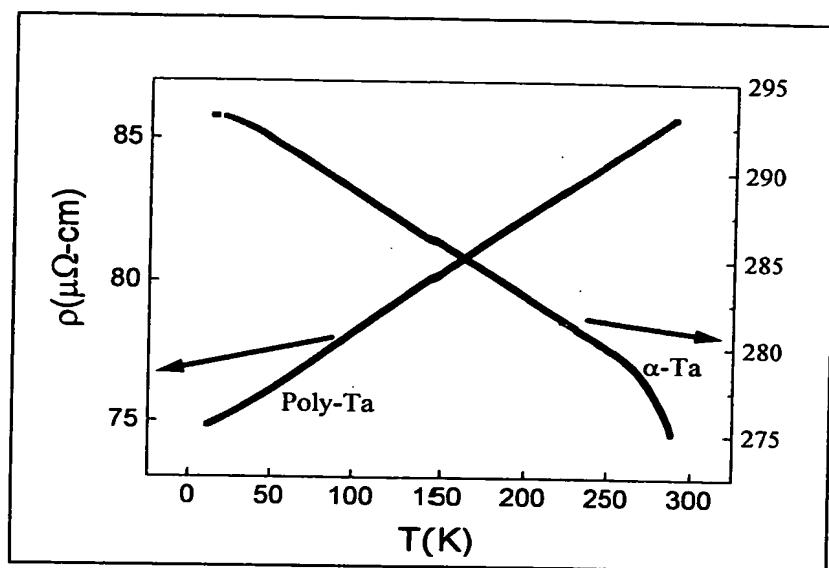


Fig. 11. Narayan

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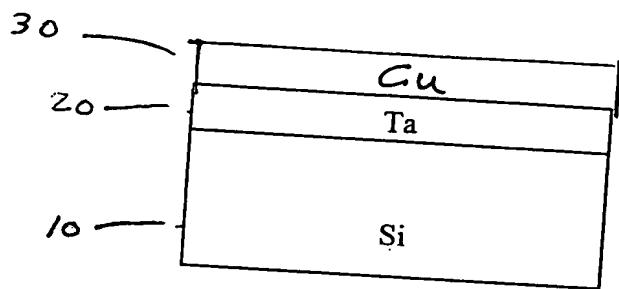


Fig. 12 (a)

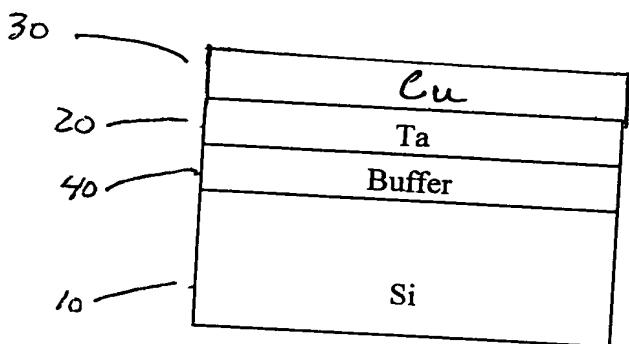


Fig. 12 (b)